Performance Data Sheet

AWA9480ZXN

General Information

Model	AWA9480ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	7480	6410	5450	4530	3570	2500	1260
	Watts	1000	1020	1030	1010	970	897	791
	Amps	4.77	4.91	4.97	4.94	4.79	4.50	4.05
	Lb/h	127	116	106	95.1	81.8	64.2	40.5
5	Btu/h	8750	7520	6440	5430	4420	3350	2130
	Watts	1060	1090	1110	1110	1080	1030	945
	Amps	5.00	5.17	5.28	5.30	5.21	4.99	4.63
	Lb/h	149	136	126	115	103	86.3	64.8
10	Btu/h	10200	8810	7570	6440	5350	4220	2980
	Watts	1110	1150	1180	1200	1190	1150	1090
	Amps	5.23	5.43	5.58	5.65	5.63	5.48	5.20
	Lb/h	175	161	149	138	125	110	89.6
15	Btu/h	11900	10300	8850	7560	6340	5120	3830
	Watts	1160	1210	1250	1280	1280	1270	1220
	Amps	5.45	5.68	5.87	5.99	6.02	5.95	5.75
	Lb/h	206	189	175	163	150	134	115
20	Btu/h	13800	11900	10300	8780	7390	6050	4660
	Watts	1200	1260	1320	1350	1370	1370	1340
	Amps	5.66	5.92	6.14	6.30	6.39	6.39	6.27
	Lb/h	241	221	205	190	176	161	142
25	Btu/h	16000	13800	11800	10100	8520	7010	5500
	Watts	1250	1320	1370	1420	1460	1470	1460
	Amps	5.84	6.12	6.38	6.59	6.73	6.79	6.75
	Lb/h	281	257	238	221	206	189	170
30	Btu/h	18300	15800	13500	11500	9730	8010	6330
	Watts	1290	1360	1430	1490	1530	1560	1560
	Amps	5.98	6.29	6.58	6.83	7.03	7.16	7.19
	Lb/h	326	298	275	256	238	220	200

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.837696E+04	7.457863E+02	3.121736E+00	4.619046E+02
C2	6.972582E+02	6.398956E+00	6.913788E-02	1.084263E+01

C3	-4.829040E+02	-1.123055E+00	2.695788E-03	-9.061902E+00
C4	1.035588E+01	1.313018E-01	4.929954E-04	1.728716E-01
C5	-8.618626E+00	-9.824587E-02	-1.142979E-03	-1.413832E-01
C6	3.712752E+00	1.123953E-01	4.839615E-04	8.445810E-02
C7	3.109936E-03	5.727327E-04	-1.072946E-05	3.054119E-04
C8	-7.597078E-02	-2.567074E-03	-4.336338E-06	-1.177538E-03
C9	3.488190E-02	2.006324E-03	1.064449E-05	7.016242E-04
C10	-1.176262E-02	-7.291348E-04	-3.257069E-06	-2.944940E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWA9480ZXN

General Information

Model	AWA9480ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	12000	10700	9430	8100	6800	5560	4410
	Watts	1100	1170	1220	1250	1270	1270	1260
	Amps	7.92	8.11	8.23	8.28	8.30	8.30	8.30
	Lb/h	189	180	169	157	143	129	114
25	Btu/h	13600	12300	10800	9370	7920	6500	5170
	Watts	1130	1210	1270	1310	1340	1350	1350
	Amps	8.00	8.23	8.38	8.48	8.53	8.56	8.58
	Lb/h	216	207	196	182	168	152	136
30	Btu/h	15400	13900	12400	10800	9140	7550	6020
	Watts	1140	1240	1310	1370	1410	1430	1440
	Amps	8.05	8.33	8.53	8.66	8.75	8.81	8.87
	Lb/h	246	237	225	211	195	179	161
35	Btu/h	17400	15800	14100	12300	10500	8700	6970
	Watts	1150	1260	1350	1420	1470	1500	1530
	Amps	8.06	8.39	8.64	8.82	8.95	9.05	9.14
	Lb/h	280	270	258	243	226	208	190
40	Btu/h	19500	17700	15900	13900	12000	9980	8030
	Watts	1150	1270	1380	1460	1520	1570	1600
	Amps	8.02	8.41	8.71	8.94	9.12	9.26	9.39
	Lb/h	317	307	294	279	261	242	221
45	Btu/h	21800	19900	17900	15800	13600	11400	9210
	Watts	1130	1270	1390	1490	1570	1630	1680
	Amps	7.92	8.37	8.73	9.02	9.24	9.44	9.61
	Lb/h	357	348	334	318	300	279	257
50	Btu/h	24300	22200	20000	17700	15300	12900	10500
	Watts	1090	1250	1390	1510	1600	1680	1740
	Amps	7.75	8.26	8.69	9.03	9.31	9.56	9.78
	Lb/h	402	392	379	362	342	321	298

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.697058E+03	-1.159718E+02	2.581665E+00	5.736055E+01
C2	2.124858E+02	-9.570741E+00	-5.304063E-02	2.323787E+00

C3	5.586664E+01	2.476134E+01	1.358360E-01	2.385639E+00
C4	3.594663E+00	-1.423002E-01	-3.936664E-05	2.202583E-02
C5	1.288969E+00	2.732336E-01	1.048004E-03	3.711314E-02
C6	-1.668272E+00	-1.672383E-01	-1.166552E-03	-2.989632E-02
C7	1.285160E-02	-2.771775E-03	-1.607215E-05	4.157485E-04
C8	-1.960261E-02	2.321661E-03	9.106473E-06	5.418909E-05
C9	-1.525474E-02	-7.535625E-04	-3.476146E-06	-2.600930E-04
C10	6.293399E-03	3.135760E-04	3.166603E-06	8.937909E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWA9480ZXN

General Information

Model	AWA9480ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	14100	12600	11000	9450	7950	6510	5120
	Watts	1210	1270	1310	1340	1350	1350	1330
	Amps	5.55	5.89	6.12	6.26	6.32	6.30	6.23
	Lb/h	224	211	197	183	167	151	134
25	Btu/h	16000	14300	12600	10900	9230	7610	6040
	Watts	1250	1320	1370	1410	1440	1450	1440
	Amps	5.70	6.09	6.38	6.57	6.68	6.72	6.70
	Lb/h	255	242	227	212	195	178	159
30	Btu/h	18100	16200	14300	12500	10600	8800	7040
	Watts	1280	1360	1420	1470	1510	1540	1540
	Amps	5.82	6.27	6.61	6.85	7.01	7.11	7.15
	Lb/h	290	276	261	244	227	208	188
35	Btu/h	20400	18300	16300	14200	12100	10100	8130
	Watts	1310	1390	1470	1530	1580	1620	1640
	Amps	5.91	6.41	6.80	7.10	7.32	7.48	7.58
	Lb/h	329	314	298	281	262	242	220
40	Btu/h	22900	20600	18300	16100	13800	11500	9330
	Watts	1320	1420	1510	1590	1650	1700	1740
	Amps	5.95	6.51	6.96	7.32	7.60	7.81	7.98
	Lb/h	372	357	340	321	301	280	257
45	Btu/h	25600	23100	20600	18100	15600	13100	10700
	Watts	1330	1440	1540	1630	1710	1780	1830
	Amps	5.94	6.56	7.07	7.49	7.83	8.11	8.34
	Lb/h	420	404	386	366	345	322	297
50	Btu/h	28600	25900	23100	20400	17600	14800	12100
	Watts	1330	1450	1560	1670	1760	1840	1910
	Amps	5.88	6.56	7.13	7.61	8.02	8.36	8.65
	Lb/h	474	457	438	417	394	369	343

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.806010E+04	3.714427E+02	-2.313633E+00	1.940301E+02
C2	3.099887E+02	5.629374E+00	-9.575631E-03	3.220924E+00

C3	-1.197720E+02	1.191233E+01	1.671851E-01	-5.230330E-01
C4	5.037592E+00	-1.930387E-01	-4.296658E-04	3.938410E-02
C5	-1.981729E-01	4.480321E-02	6.095891E-04	2.445193E-02
C6	-1.886727E-01	-4.013508E-02	-1.170215E-03	-5.102659E-03
C7	1.791603E-02	-2.028478E-04	-7.435666E-06	6.345209E-04
C8	-3.400400E-02	7.591043E-04	4.263463E-06	-1.936736E-04
C9	-7.060339E-03	7.325605E-04	1.134817E-06	-1.529329E-04
C10	1.601021E-03	-1.500848E-04	2.225946E-06	1.087162E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWA9480ZXN

General Information

Model	AWA9480ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	6460	5470	4540	3700	2960	2330	1830
	Watts	992	989	983	975	967	957	948
	Amps	7.87	7.77	7.68	7.63	7.63	7.73	7.93
	Lb/h	110	98.7	87.9	77.7	68.3	59.9	52.9
5	Btu/h	7560	6470	5440	4480	3610	2840	2180
	Watts	1050	1050	1050	1050	1040	1030	1010
	Amps	8.02	7.96	7.89	7.83	7.81	7.86	7.99
	Lb/h	129	118	106	94.8	83.9	73.6	64.3
10	Btu/h	8790	7600	6460	5380	4370	3450	2630
	Watts	1090	1110	1120	1120	1110	1100	1080
	Amps	8.08	8.08	8.05	8.00	7.97	7.99	8.07
	Lb/h	151	139	127	115	102	90.2	78.7
15	Btu/h	10200	8860	7600	6380	5230	4150	3170
	Watts	1120	1160	1180	1190	1190	1180	1160
	Amps	8.08	8.16	8.17	8.16	8.13	8.13	8.17
	Lb/h	175	163	150	137	124	110	96.0
20	Btu/h	11600	10200	8850	7490	6190	4950	3790
	Watts	1150	1200	1230	1260	1270	1260	1250
	Amps	8.03	8.20	8.28	8.31	8.31	8.31	8.33
	Lb/h	201	190	177	163	148	132	116
25	Btu/h	13200	11700	10200	8700	7240	5830	4490
	Watts	1150	1220	1280	1310	1340	1340	1330
	Amps	7.95	8.22	8.38	8.48	8.52	8.53	8.55
	Lb/h	230	219	205	191	175	158	140
30	Btu/h	15000	13300	11600	10000	8370	6790	5260
	Watts	1140	1230	1310	1370	1400	1420	1420
	Amps	7.84	8.23	8.50	8.67	8.77	8.82	8.85
	Lb/h	262	251	237	222	204	186	166

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.492533E+04	8.358040E+02	5.871545E+00	1.778952E+02
C2	2.627916E+02	-2.163675E+01	-1.735524E-01	1.136697E+00

C3	-9.322517E+01	4.762049E+00	8.670734E-02	-3.067730E-01
C4	3.925410E+00	-6.203150E-01	-4.552169E-03	3.632044E-02
C5	2.472983E-01	6.513596E-01	4.431287E-03	6.309127E-02
C6	-3.642433E-01	-4.437706E-02	-1.115580E-03	-1.028649E-02
C7	-8.194149E-03	-2.571820E-03	2.013326E-05	2.246342E-05
C8	-1.344389E-02	5.919141E-03	3.285733E-05	1.638635E-04
C9	-1.208557E-02	-2.942709E-03	-2.223913E-05	-4.076366E-04
C10	2.584571E-03	1.147945E-04	4.295456E-06	4.358699E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature